

**STS-104 POST LAUNCH FILM REVIEW**  
**KSC Photo/Video Analysis Team**  
**14 July 2001**

**SIGNIFICANT ANOMALIES**

None.

**MINOR ANOMALIES**

None.

**FUNNIES**

None.

**OBSERVATIONS**

No stud hang up, or ordnance fragments, were observed on any of the SRB hold-down posts.

Fraying of SSME #2 closeout blanket at 9 o'clock position visible during start-up sequence. (E-18, E-20)

Bright flash observed inside white room of OAA prior to SSME ignition at GMT 09:03:51.860. (E-62)

SSME #2 operation appeared nominal (E-20). There was no white spot/glow noted inside SSME #2 bell as noted Day 1 film review.

No OMS pod flexing observed. (E-17, E-18)

Free-burning GH2 blown under body flap by wind.

Several ice particles fell from ET/ORB umbilical during SSME ignition.

Vapors on ET aft dome and SRB stiffener rings were observed after T-0.

Ice particles fell from LH2 / LO2 TSM T-0 disconnects.

Tile surface coating material was lost from several tiles on the Orbiter base heat shield as well as from right hand RCS stinger. This is a common occurrence due to SSME ignition acoustics.

SRB throat plug material ejected from exhaust hole. No contact with vehicle.

The lens ports on the protective boxes on cameras E-7 and E-10 were shattered approximately 4 to 5 seconds after T-0.

### **NOTES**

All delivered launch films have been reviewed at this time.

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